

20060424.ba v03_n915.bam.20060424

>From ???@??? Mon Apr 24 19:00:55 2006 -0500
Date: Mon, 24 Apr 2006 19:00:18 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3915
Message-Id: <20060425000020.61D3B1B8327@srvr1.theporch.com>

BOATANCHORS Digest 3915

Topics covered in this issue include:

- 1) Re: Nylatches
by stuck in 50s <polepeeg@aa4rm.ba-watch.org>
- 2) Re: Pop Electronics 1995 ?
by stuck in 50s <polepeeg@aa4rm.ba-watch.org>
- 3) Corona Dope
by stuck in 50s <polepeeg@aa4rm.ba-watch.org>
- 4) Drake 2x & 8BN8
by stuck in 50s <polepeeg@aa4rm.ba-watch.org>
- 5) Re: Drake 2x & 8BN8
by Garey Barrell <k4oah@mindspring.com>
- 6) Re: Drake 2x & 8BN8
by "James C. Garland" <4cx250b@muohio.edu>
- 7) Re: Corona Dope
by Buzz <muttman@charter.net>
- 8) RE: Nylatches
by "Dr. Barry L. Ornitz" <ornitz@charter.net>
- 9) Re: Corona Dope
by "Arden Allen" <gumbear@pacbell.net>
- 10) Need Krohn Hite paper
by roy.morgan@nist.gov
- 11) Boonton signal generator specs wanted - correction
by "Arden Allen" <gumbear@pacbell.net>
- 12) Boonton 202E specs?
by "Arden Allen" <gumbear@pacbell.net>
- 13) Coilset Whazzit
by john <johnmb@nc.rr.com>
- 14) Re: Coilset Whazzit
by W7QH0@aol.com
- 15) Fwd: Re: Coilset Whazzit
by john <johnmb@nc.rr.com>
- 16) Re: Nylatches
by "Roger Dillon" <rdillontx1@comcast.net>
- 17) Boonton 202E freqs etc
by "John Gillespie" <jgillespie@porchlight.ca>
- 18) WTB: Small enclosure

- by "Herbert M. Rosenthal" <herbrose@comcast.net>
19) Johnson Viking Valiant hardware
by <jsehring@siouxvalley.net>
20) Re boonton 202
by "phil" <signetics@netzero.com>
21) Dirty old Viking boat(anchor) ready for the waves
by Richard Post <postr@ohiou.edu>
22) Boonton 202E info
by "John Gillespie" <jgillespie@porchlight.ca>
23) Bird Wattmeter hint
by Edward Knobloch <k4pf@juno.com>

Date: Sat, 22 Apr 2006 08:56:01 -0400 (EDT)
From: stuck in 50s <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200604221256.k3MCu10i023715@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Nylatches

in georgia we use duck tape

Date: Sat, 22 Apr 2006 09:17:03 -0400 (EDT)
From: stuck in 50s <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200604221317.k3MDH3Vc023780@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Pop Electronics 1995 ?

Greg I'd like to see 'em too.

No one knows much about Minerva of America. But I think it was a post-WW2 resurrection of the hug Austrian Minerva.

Minerva of America seems to have evaporated by late '47. They were a NYC company.

Now the History of Sig. Corps, vol. 3 says that a factory to build R-100 morale radios was set up in Belgium in mid-45. And, further, huge amount of R-100 prod'n took place there. R-100 ran on batteries or 110/220. But Tropic Master was 110 only.

Think Tropic Master was targeted @ US soldiers stationed all over globe. But it was a civvy proposition & never went out thru govt. channels

I've been puzzled over R-100s & see this...

<http://qsl.asti.net/R-100/>

Al Klase has another neat spin on an R-100. Here's lookin' at it...

http://www.skywaves.ar88.net/Mystery/Mystery_Set.html

Ask for the time, you get a lesson in watchmaking

Marty

PS: Tropic Master another great way to listen to Neal Boortz. Mine's doing that now.

Date: Sat, 22 Apr 2006 17:06:35 -0400 (EDT)
From: stuck in 50s <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200604222106.k3ML6ZrC025406@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Corona Dope

That's how I feel. Like a corona dope.

I have a AM-CW ceramic wafer function switch that keeps arcing.

I expose area, knurl off spark-roughened area, & reinsert. OK for a while & then the rice krispie noise

Einstein sed repetition of a flawed act in hopes of success is sign of insanity.

So here comes the plea. Insanity jump back.

Tnx!

Marty

Date: Sat, 22 Apr 2006 17:15:30 -0400 (EDT)
From: stuck in 50s <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200604222115.k3MLFU2L025433@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Drake 2x & 8BN8

I bet lots folks know why Drake ran this dual (floating) diode & triode at reduced fil. volts. But I don't

Reason I ask is I've just benched a BA that had same done to a 12AL5 by seriesing 27 ohms w. heater.

Zeroi-signal AVC volts came from IF amp idle noise. Doing "MOD" above reduced same. And burned out RF gain control section of a dual pot.

I'll tell y'all the work-around some other time.

So who's good idea was it to reduce filament volts on some tube-diodes?

tnx

aa4rm

Message-ID: <444AA2D2.1040903@mindspring.com>
Date: Sat, 22 Apr 2006 17:40:34 -0400
From: Garey Barrell <k4oah@mindspring.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Drake 2x & 8BN8
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Yup, there's a reason.....

There is a tube phenomenon whereby the heater (filament) and cathode of the tube form a "parasitic diode". One side of the filament is grounded, and so when the filament AC goes negative, rectified 60 Hz pulses are superimposed on the cathode, resulting in hum in the audio.

The "cure" is to reduce the filament voltage slightly, since the parasitic diode action falls off much faster than the indirectly heated "real" diode of the tube's cathode and plate. The culprit in the 2-B is the NL diode, since it's cathode is connected directly to the Hi-Z audio input.

Hallicrafter's used a series resistor in the filament circuit of their 6H6 / 6AL5 detectors, but Drake had the option of an 8 volt tube available for series string TVs and could eliminate the resistor.

73, Garey - K40AH
Atlanta

Drake B & C-Line Service CDs
<<http://www.k4oah.com>>

stuck in 50s wrote:

> I bet lots folks know why Drake ran this dual (floating) diode & triode
> at reduced fil. volts. But I don't
>
> Reason I ask is I've just benched a BA that had same done to a 12AL5
> by seriesing 27 ohms w. heater.
>
> Zeroi-signal AVC volts came from IF amp idle noise. Doing "MOD" above
> reduced same. And burned out RF gain control section of a dual pot.
>
> I'll tell y'all the work-around some other time.
>
> So who's good idea was it to reduce filament volts on some tube-diodes?
>
> tnx
>
> aa4rm
>
>
>

Message-Id: <7.0.1.0.2.20060422183928.02241110@muohio.edu>
Date: Sat, 22 Apr 2006 18:41:02 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: "James C. Garland" <4cx250b@muohio.edu>
Subject: Re: Drake 2x & 8BN8
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 05:40 PM 4/22/2006, you wrote:

>Yup, there's a reason.....
>
>There is a tube phenomenon whereby the heater (filament) and cathode
>of the tube form a "parasitic diode". One side of the filament is
>grounded, and so when the filament AC goes negative, rectified 60 Hz
>pulses are superimposed on the cathode, resulting in hum in the audio.
>
>The "cure" is to reduce the filament voltage slightly, since the
>parasitic diode action falls off much faster than the indirectly
>heated "real" diode of the tube's cathode and plate. The culprit in
>the 2-B is the NL diode, since it's cathode is connected directly to
>the Hi-Z audio input.
>
>Hallicrafter's used a series resistor in the filament circuit of
>their 6H6 / 6AL5 detectors, but Drake had the option of an 8 volt
>tube available for series string TVs and could eliminate the resistor.

>
>73, Garey - K40AH
>Atlanta

Now THERE is a bit of expertise that's impressive! Lot of smart guys lurking on this list.

JimW8ZR

From: Buzz <muttman@charter.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Corona Dope
Date: Sat, 22 Apr 2006 21:45:18 -0700
Message-ID: <mf1m42187n1bl96ihmegiisgpod9oeaong@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Einstein also said,

"Ignorance can be fixed, stupid is forever."

Buzz

On Sat, 22 Apr 2006 17:06:35 -0400 (EDT), you wrote:

>
>That's how I feel. Like a corona dope.
>
>I have a AM-CW ceramic wafer function switch that keeps arcing. =20
>
>I expose area, knurl off spark-roughened area, & reinsert. OK for a=20
>while & then the rice krispie noise
>
>Einstein sed repitition of a flawed act in hopes of success is sign of
>insanity.
>
>So here comes the plea. Insanity jump back.
>
> Tnx!
>
> Marty

From: "Dr. Barry L. Ornitz" <ornitz@charter.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Nylatches
Date: Sun, 23 Apr 2006 01:39:45 -0400
Message-ID: <001d01c66698\$545d9880\$c6165047@barry1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Jim, NU6AM, wrote:

> I've got an old Icom rig that has Nylatch panel fasteners on it (to hold
> the sides on). Does anyone know of a source for these? They are the
> black nylon ones where a ring fits in the hole and a button with prongs
> on it is pressed down into the ring. The ring expands and holds the
> panel on.

They may not be identical, but I am sure you can find a replacement at
Micro Plastics of Flippin, AR. [<http://www.microplastics.com/>]

Years ago, I searched and searched to find metric Nylon screws in small
sizes for imported electronics. They had them, and even though I had to
buy a bag of 1000, the price was quite inexpensive. They carry both metric
and U.S. sizes, as well as a large line of specialty parts. While most of
their parts are molded from Nylon, a few are from polycarbonate (Lexan).

73, Barry WA4VZQ Ornitz@tricon.net

Message-ID: <003001c666ae\$ec9b6f30\$41e47443@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Corona Dope
Date: Sun, 23 Apr 2006 01:15:24 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

The answer is grease. Plenty. Renew regularly. Keeps those pesky corona
bugs away.

Arden Allen
KB6NAX

Message-ID: <1145799904.444b84e0d51d0@webmail.nist.gov>
Date: Sun, 23 Apr 2006 09:45:04 -0400
From: roy.morgan@nist.gov
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Need Krohn Hite paper
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Need Krohn Hite paper
by <jsehring@siouxvalley.net>

Try Consolidated Surplus in Baltimore..
<http://www.yourmanualsource.com/>

They RENT manuals by the week. They well may have that manual. (My guess is that you can figure out what to do in that week. I'm reminded that have a Krohn Hite dual audio filter here that needs a manual.)

"Contact Us
Can't find a manual? Have manuals to sell/trade? Have a question? Please contact us:

Phone: 410-591-1532
Fax: 410-685-7701
Mail: Consolidated Surplus
P.O. Box 106
Ellicott City, MD 21041
Email: yms@usimperio.com

Send them an email,fax, or use the website to ask for it by model number.

Roy

Roy Morgan
7130 Panorama Dr.
Derwood MD 20855

Message-ID: <001e01c6670f\$61fba550\$5be47443@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>

Subject: Boonton signal generator specs wanted - correction
Date: Sun, 23 Apr 2006 12:51:53 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I should have said Boonton model 202E, not 202C. I think they call it "mid day muddle".

Arden Allen
KB6NAX

Message-ID: <002e01c66710\$1eb1bc20\$5be47443@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Boonton 202E specs?
Date: Sun, 23 Apr 2006 12:57:02 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

LispTroc doesn't like certain words. So I'm asking if anyone knows the frequency ranges and modulation capabilities of the Boonton model 202E siggy generator. Thanks.

Arden Allen
KB6NAX

Message-Id: <6.2.1.2.2.20060423161315.024bef68@pop-server.nc.rr.com>
Date: Sun, 23 Apr 2006 16:15:27 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@nc.rr.com>
Subject: Coilset Whazzit
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed

Anyone recognize this set of coils? The fronts are metal, and painted military Olive Drab. There are three color coded coilform sets, with sleeves that cover the forms (for protection?). They appear to be Hammarlund forms

<http://www.k5mo.com/Temporary/Coils1.jpg>
<http://www.k5mo.com/Temporary/Coils2.jpg>
<http://www.k5mo.com/Temporary/Coils3.jpg>

Any idea what they went to?

Thanks
John

--

No virus found in this outgoing message.
Checked by AVG Free Edition.
Version: 7.1.385 / Virus Database: 268.4.5/322 - Release Date: 4/22/2006

From: W7QH0@aol.com
Message-ID: <277.8b790d8.317d3fd3@aol.com>
Date: Sun, 23 Apr 2006 16:38:43 EDT
Subject: Re: Coilset Whazzit
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="part1_277.8b790d8.317d3fd3_boundary"

--part1_277.8b790d8.317d3fd3_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Look like they could have been used in the early 30's National receivers
(AGS, AGU, FB-7 & FBX series)

Dennis D. W7QH0
Glendale, CA

--part1_277.8b790d8.317d3fd3_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
* (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

--part1_277.8b790d8.317d3fd3_boundary--

Message-Id: <6.2.1.2.2.20060423174156.024aa608@pop-server.nc.rr.com>
Date: Sun, 23 Apr 2006 17:42:15 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@nc.rr.com>
Subject: Fwd: Re: Coilset Whazzit
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed

>Hi Chuck...

>

>Thanks for the tips...they DO look like that, but they clearly say "High
>"Q" " on the bottom, indicating they are Hammarlund in origin. The 'pulls'
>and cover plate are sheet metal too, not bakelite as the Nationals' are.

>

>Wierd!

>

>John K5MO

>

>

>At 04:34 PM 4/23/2006, Chuck McGregor wrote:

>>John -

>>Those coils with the funny-looking knob on the top look like coils for a
>>National FB-7, as shown in the Germsback 1934 short wave manual.

>>--Chuck N7RHU

>>

>>At 01:15 PM 4/23/2006, you wrote:

>>

>>>Anyone recognize this set of coils? The fronts are metal, and painted
>>>military Olive Drab. There are three color coded coilform sets, with
>>>sleeves that cover the forms (for protection?). They appear to be
>>>Hammarlund forms

>>>

>>><http://www.k5mo.com/Temporary/Coils1.jpg>

>>><http://www.k5mo.com/Temporary/Coils2.jpg>

>>><http://www.k5mo.com/Temporary/Coils3.jpg>

>>>

>>>Any idea what they went to?

>>>

>>>Thanks

>>>John

>>>

>>>

>>>

>>>--

```
>>>No virus found in this outgoing message.
>>>Checked by AVG Free Edition.
>>>Version: 7.1.385 / Virus Database: 268.4.5/322 - Release Date: 4/22/2006
>>>
>>>
>>>
>>>--
>>>No virus found in this incoming message.
>>>Checked by AVG Anti-Virus.
>>>Version: 7.1.385 / Virus Database: 268.4.5/322 - Release Date: 4/22/2006
>>
>>
>>--
>>No virus found in this outgoing message.
>>Checked by AVG Anti-Virus.
>>Version: 7.1.385 / Virus Database: 268.4.5/322 - Release Date: 4/22/2006
>>
>>
>>--
>>No virus found in this incoming message.
>>Checked by AVG Free Edition.
>>Version: 7.1.385 / Virus Database: 268.4.5/322 - Release Date: 4/22/2006
```

```
--
No virus found in this outgoing message.
Checked by AVG Free Edition.
Version: 7.1.385 / Virus Database: 268.4.5/322 - Release Date: 4/22/2006
```

```
-----
Message-ID: <032401c66742$6ec737d0$6501a8c0@rjd>
From: "Roger Dillon" <rdillontx1@comcast.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Nylatches
Date: Sun, 23 Apr 2006 20:57:18 -0500
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
```

The nylatches are available in small quantities from the Fox-Tango web site:
<http://foxtango.org/foxtango001.htm>
The link is on the right side about two thirds way down.
The exact url is:
<http://foxtango.org/FT%20Candy%20Store/CANDY%20STORE.htm>

This is the same price you pay if you order them directly from Yaesu parts, but a lot less hassle.

73

Roger

N5PGH

>

> I've got an old Icom rig that has Nylatch panel fastners on it (to hold the sides on). Does anyone know of a source for these?

> Thanks much,

> Jim

> NU6AM

Message-ID: <001301c667a5\$54a370e0\$7c30bb40@MEUser>

From: "John Gillespie" <jgillespie@porchlight.ca>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Boonton 202E freqs etc

Date: Mon, 24 Apr 2006 09:45:17 -0400

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Arden was asking for the frequency range etc on the Boonton 202E.

Unit covers 54 - 216 MHz frequency range in two bands.

Internal and external AM - FM modulation. Pulse and

square wave modulation by external source. Calibrated

output. Includes separate power supply type 202EP.

price was \$650 in 1984 courtesy Tuckers electronics.

I just located a 202H myself and currently waiting for the service manual.

Incidentally, the 202C was a low frequency oscillator

range 1Hz to 100KHz, 10 volts output, @ less than 0.5%

distortion.

Message-ID: <444CDC6A.2070005@comcast.net>

Date: Mon, 24 Apr 2006 08:10:50 -0600

From: "Herbert M. Rosenthal" <herbrose@comcast.net>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

Subject: WTB: Small enclosure

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

I'm looking for a small enclosure: about 8" x 8" x 5" with flat front and rear panels. Exact size and color are not important. This is to build a control box for a remotely tuned antenna tuner I'm building for a friend. Prefer one without holes in panels, but may be able to work around one with just a few holes.

I have all the components-motorized vacuum variable, relays, a large ceramic multitapped inductor-for the antenna end, and a large Hammond waterproof enclosure.

I've checked Bud, etc., and the price for a new small box is about the cost of a year's tuition at MIT! If you have something reasonable, please contact me directly

Thanks,
Herb W5AN
herbrose@comcast.net
Albuquerque

Content-Disposition: inline
Content-Transfer-Encoding: binary
Mime-Version: 1.0
From: <jsehring@siouxvalley.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Johnson Viking Valiant hardware
Content-Type: text/plain
Message-Id: <20060424142508.D5F4215FCB@filter1.e-filtering.net>
Date: Mon, 24 Apr 2006 08:25:08 -0600 (MDT)

Just found two vy long screws (shank is 13-7/8" long) for a Johnson Viking Valiant cabinet. Somebody surely needs these. Offers? Thanks.

--John WB0EQ

Message-ID: <001b01c667e0\$d2e9a2e0\$27baf904@default>
From: "phil" <signetics@netzero.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re boonton 202
Date: Mon, 24 Apr 2006 16:51:10 -0400
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you purchase the Boonton 202 you might look for the Boonton 203 which extends the 202's frequency range.

Phil

Mime-Version: 1.0

Message-Id: <p05210601c072e928acf9@[192.168.1.100]>

Date: Mon, 24 Apr 2006 16:55:47 -0400

To: Old Tube Radios <boatanchors@theporch.com>

From: Richard Post <postr@ohiou.edu>

Subject: Dirty old Viking boat(anchor) ready for the waves

Content-Type: text/plain; charset="us-ascii" ; format="flowed"

As noted in my recent report on "Another dirty old Viking", I promised a follow-up/ progress report.

Here are a couple of before and after pix. Still need to work on the rack cabinet.

The tiny url direct link is

<<http://tinyurl.com/lg2et>>

Or access via the qsl.net address which also forwards to the site.

73, Rich

<http://www.qsl.net/kb8tad>

Message-ID: <001001c667f9\$ceb4a260\$f530bb40@MEUser>

From: "John Gillespie" <jgillespie@porchlight.ca>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Boonton 202E info

Date: Mon, 24 Apr 2006 19:48:06 -0400

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Arden:

found the info on Boonton/HP 202 siggy gens in my 1984 copy of Tucker electronics catalogue. I never throw anything away, just ask my wife HiHi.

Heres the rest

202B: 54 -216 MHz in two bands. FM deviation 0-240 KHz. 8 internal modulation freqs between 50Hz and 15KHz.

AM mod to 50%, calibrated output.

202C: gave you that info this am

202E: ditto

202F: similar to 202E except covers 175 - 250 MHz.

202G: similar to 202E except covers 195 - 270 MHz.

202H: 54 -216 MHz freq range.in two bands, FM, AM, CW and pulse outputs. RF output 0.1uV to 0.2V @ 50ohms,
AM modulation to 50%, FM deviation 0-250 KHz in four ranges.
7.5KHz, 25KHz, 75KHz and 250KHz.

202J: late model unit covering the 195-270MHz range. By the use of 207H univertter, range can cover 0.1 - 55 MHz. AM

modulation 0-50% internal, 0-100% external. FM deviation 0.300 KHz in four ranges. (I suspect they mean 0 to 300 KHz)

HP 203A: variable phase generator: 0.005Hz to 60KHz in seven decade ranges. Sine and square waves available
simultaneously. Ref phase: sinewave 30V peak, square wave 30V peak (open circuit) Variable phase: sine wave
0-30V p-p sq wave 0-30V p-p. continuously variable 0-360 degrees. 600 ohm imp.

HP 203B univertter use with Boonton 202 or 240 series gens to provide coverage over 100KHz to 25MHz freq range.

HP 207E a frequency down converter with unity gain designed for use with the HP model 202E AM FM sig gen. provides

additional freq coverage from 100KHz to 55MHz . the 207E duplicates the AM/FM modulation capabilities of

the HP 202E. RF output is 1uV to 0.1V calibrated and up to 1.5V uncalibrated Output is 50 ohms

HP207G univertter extends the range of 202 series generators

HP 207H univertter extends the range of the 202H/J to 100KHz - 55MHz

Hows that. almost everything you'd want to know on the Boonton/HP 202 signal generators, sorry no specific info on the deviation of the 202E John!

To: Old Tube Radios <boatanchors@theporch.com>

Date: Mon, 24 Apr 2006 19:59:10 -0400

Subject: Bird Wattmeter hint
Message-ID: <20060424.195911.1172.5.k4pf@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
From: Edward Knobloch <k4pf@juno.com>

Hi, Gang

One of the slugs in my model 43 wattmeter started to get intermittant.
I thought perhaps there was a bit too much electrical contact sticking
out of the slug,
and that it was shorting against the body of the pick up element
on the side opposite the "hot" contact. (The Bird 43 manual
shows that the two contacts of each element are connected together).

.
Grinding away excess metal on the contact tab had no effect:
the power reading still varied from zero to almost normal power.

I applied a hot air blower to the top of the element, and carefully pried
off
the thick aluminum label. Underneath, there is an access hole
to a calibration trimpot which must have become intermittant.
A quick spray with a bit of CRC type 2-26 spray cleaner,
and a recalibration by comparison with another slug,
and I was back in business.

73,
Ed Knobloch

End of BOATANCHORS Digest 3915
